

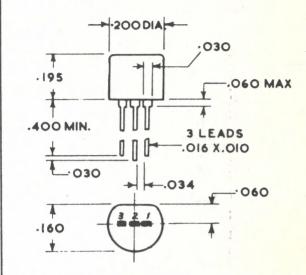
AMALGAMATED WIRELESS VALVE CO. PTY. LTD.

AS301

AS 302

These units are n-p-n silicon planar epitaxial transistors in an epoxy package for general H.F. applications as amplifiers, mixers or oscillators.

DIMENSIONAL OUTLINE



Dimensions in Inches

TERMINAL DIAGRAM

ABSOLUTE MAXIMUM RATINGS.

Collector-base voltage = 25 volts Collector-emitter voltage = 25 volts

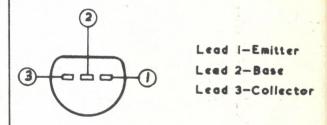
Offector-emitter voltage = 25 volts

(Base-emitter resistance = $100 \text{ K}\Omega$)

Emitter-base voltage = 3.5 volts

Emitter current = 50 mA

Base current = 25 mA



THERMAL RATINGS.

Dissipation in an ambient temperature up to 25°C ----- 200 mW max.

Derate linearly to zero at 135°C.

During soldering lead temperature must not exceed 255°C for 10 secs. max. with 1/16" of can.

Storage temperature -25°C to 135°C.

AS 302

K 503

AS 308

PARAMETER	CONDITIONS	MIN.	TYP.	MAX.	UNITS
TUO JAMO	$V_{CB} = 1V$	+111		20	nA
Ісво	V _{CB} = 25V	1-2 2		1	μА
IEBO	$V_{EB} = 3.5V$			1	μА
VCER	I _C = 100 μA, R _{BE} = 100KΩ	25			V
h _{FE}	$\frac{\text{AS301 V}_{\text{CE}} = 6\text{V}, I_{\text{E}} = 1 \text{ mA}}{}$	27		90	
h _{FE}	$AS302 V_{CE} = 6V, I_{E} = 1 mA$	70		270	
\mathbf{f}_{T}	$V_{CE} = 6V, I_{E} = 2 \text{ mA}$		750		MHz
Cb	$V_{CB} = 8V, I_{E} = 0$			1.4	pF
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